		DEPARTMENT	TATE OF UTAH OF NATURAL RES OF OIL, GAS AND I			FOF	RM 3		
APPLI	CATION FOR	PERMIT TO DRILL	-		1. WELL NAME and NUMBER CWU 1496-25D				
2. TYPE OF WORK  DRILL NEW WELL	REENTER P&	A WELL DEEPE	EN WELL		3. FIELD OR WILDCAT  NATURAL BUTTES				
4. TYPE OF WELL Gas We	ell Coalb	ed Methane Well: NO			5. UNIT or COMMU	JNITIZATION AGRE	EMENT NAME		
6. NAME OF OPERATOR	EOG Resou	rces, Inc.			7. OPERATOR PHO	NE 435 781-9111			
8. ADDRESS OF OPERATOR	East Highway 40	), Vernal, UT, 84078			9. OPERATOR E-M kaylene_	<b>AIL</b> _gardner@eogresourc	ces.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU0285A		11. MINERAL OWNE FEDERAL IND	ERSHIP DIAN STATE (	FEE (	12. SURFACE OWN FEDERAL IN	NERSHIP NDIAN STATE	O FEE		
13. NAME OF SURFACE OWNER (if box 12	= 'fee')				14. SURFACE OWN	IER PHONE (if box	12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')				16. SURFACE OWN	IER E-MAIL (if box	12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COM MULTIPLE FORMATI YES (Submit C		-	19. SLANT  VERTICAL DI	RECTIONAL 📵 🕒	IORIZONTAL 🗍		
20. LOCATION OF WELL	FO	OTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE	1957 FN	IL 2031 FWL	SENW	25	9.0 S	22.0 E	S		
Top of Uppermost Producing Zone	2258 FN	IL 2340 FWL	SENW	25	9.0 S	22.0 E	S		
At Total Depth	2258 FN	IL 2340 FWL	SENW	25	9.0 S	22.0 E	S		
21. COUNTY UINTAH		22. DISTANCE TO N	EAREST LEASE LIN 1702	IE (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT 1800				
		25. DISTANCE TO N (Applied For Drilling							
27. ELEVATION - GROUND LEVEL		28. BOND NUMBER			29. SOURCE OF DE	RILLING WATER / PPROVAL NUMBER	IF APPLICABLE		
5073			NM2308			49-225			
		Αī	TTACHMENTS						
VERIFY THE FOLLOWING	ARE ATTACH	ED IN ACCORDAN	CE WITH THE U	TAH OIL AND	GAS CONSERVAT	ION GENERAL R	ULES		
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	VEYOR OR ENGINEER	R COM	IPLETE DRILLING	G PLAN				
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EMENT (IF FEE SURF	ACE) FORI	M 5. IF OPERATO	R IS OTHER THAN	THE LEASE OWNER			
DIRECTIONAL SURVEY PLAN (IF DI	RECTIONALLY	OR HORIZONTALLY	г торо	OGRAPHICAL MA	P				
NAME Nanette Lupcho	TITLE	Regulatory Assistant	PHONE 435 781-9157						
SIGNATURE	DATE	10/11/2010		EMAIL Nanette_	_Lupcho@EOGResourd	ces.com			
<b>API NUMBER ASSIGNED</b> 43047513230000	APPR	OVAL		Bal	ogill				
	- 1			Permi	it Manager				

API Well No: 43047513230000 Received: 10/11/2010

	Proposed Hole, Casing, and Cement											
String	rring Hole Size Casing Size Top (MD) Bottom (MD)											
Prod	7.875	4.5	0	9320								
Pipe	Grade	Length	Weight									
	Grade N-80 LT&C	9288	11.6									

API Well No: 43047513230000 Received: 10/11/2010

	Proj	oosed Hole, Casing, a	and Cement		
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)	
Surf	12.25	9.625	0	2300	
Pipe	Grade	Length	Weight		
	Grade J-55 ST&C	2300	36.0		



# DRILLING PLAN MULTI-WELL PAD:

# CWU 1492-25D, CWU 1493-25D, CWU 1494-25D, CWU 1495-25D, CWU 1496-25D, CWU 1497-25D

SE/NW, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

	CWU 1	492-25D	CWU 1	493-25D	CWU 14	494-25D	CWU 1	495-25D	
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD	
Green River	1390	1399	1393	1400	1383	1398	1391	1402	
Birdsnest	1698	1712	1702	1713	1690	1715	1701	1718	
Mahogany Oil Shale Bed	2266	2287	2284	2302	2257	2302	2277	2307	
Wasatch	4600	4630	4628	4654	4588	4658	4615	4660	
Chapita Wells	5187	5217	5215	5241	5175	5246	5199	5244	
Buck Canyon	5863	5893	5889	5916	5851	5922	5872	5917	
North Horn	6536	6566	6568	6594	6523	6593	6547	6593	
KMV Price River	6857	6887	6898	6924	6839	6910	6874	6919	
KMV Price River Middle	7749	7779	7780	7806	7735	7806	7762	7807	
KMV Price River Lower	8556	8586	8581	8607	8545	8616	8566	8611	
Sego	9064	9094	9085	9111	9051	9122	9077	9122	
TD	9265	9295	9285	9311	9250	9321	9275	9320	
ANTICIPATED BHP (PSI)	5059		50 <sup>-</sup>	70	50	51	50	5064	

	CWU 1	496-25D	CWU 14	497-25D				
FORMATION	TVD	MD	TVD	MD	TVD	MD	TVD	MD
Green River	1381	1391	1383	1395				
Birdsnest	1689	1704	1690	1712				
Mahogany Oil Shale Bed	2262	2285	2267	2312				
Wasatch	4595	4628	4603	4678				
Chapita Wells	5179	5213	5184	5259				
Buck Canyon	5853	5886	5856	5931				
North Horn	6528	6561	6529	6605				
KMV Price River	6844	6878	6852	6927				
KMV Price River Middle	7739	7773	7745	7820				
KMV Price River Lower	8547	8580	8551	8627				
Sego	9056	9089	9064	9140				
TD	9255	9288	9265	9341				
ANTICIPATED BHP (PSI)	5053		50	59				

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.



## DRILLING PLAN MULTI-WELL PAD:

# CWU 1492-25D, CWU 1493-25D, CWU 1494-25D, CWU 1495-25D, CWU 1496-25D, CWU 1497-25D

SE/NW, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

3. PRESSURE CONTROL EQUIPMENT: Production Hole – 5000 Psig

BOP schematic diagrams attached.

### 4. CASING PROGRAM:

Casing	Hole Size	Length	Size	Weight	Grade	Thread	Rating Collapse	Rating Burst	Tensile
Conductor	20"	0 – 60'	14"	32.5#	A252			1800 PSI	10,000#
Surface	12 1/4"	0 - 2,300'±	9 5%"	36.0#	J-55	STC	2020 PSI	3520 PSI	394,000#
Production	7 7/8"	Surface - TD	4 ½"	11.6#	N-80	LTC	6350 PSI	7780 PSI	223,000#

Note: 12 1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5%" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

### 5. Float Equipment:

### Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

### **Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

### 6. MUD PROGRAM

### <u>Surface Hole Procedure (Surface - 2300'±):</u>

0' - 2300'± Air/Air mist/Aerated water

or

A closed mud system will be utilized with a gelled bentonite system. LCM sweeps, additions, etc. will be utilized as necessary.



### DRILLING PLAN MULTI-WELL PAD: CWU 1492-25D, CWU 1493-25D, CWU 1494-25D,

CWU 1492-23D, CWU 1493-23D, CWU 1494-23D, CWU 1495-25D, CWU 1497-25D SE/NW, SEC. 25, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

### **Production Hole Procedure (2300'± - TD):**

Anticipated mud weight 9.5-10.5 ppg depending on actul wellbore conditions encountered while drilling.

sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination,

2300'± - TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM

if encountered, will be treated with lime and gypsum.

### 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 - Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- o EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

### 8. EVALUATION PROGRAM:

Logs: None

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

**Cement Bond / Casing Collar Locator and Gamma Ray** 



## DRILLING PLAN MULTI-WELL PAD:

# CWU 1492-25D, CWU 1493-25D, CWU 1494-25D, CWU 1495-25D, CWU 1496-25D, CWU 1497-25D

SE/NW, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

### 9. CEMENT PROGRAM:

### **Surface Hole Procedure (Surface - 2300'±):**

Lead: 150 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>,

3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

**Tail:** 135 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk.,

5.2 gps water.

**Top Out**: As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6

ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note**: The above number of sacks is based on gauge-hole calculation

Lead volume to be calculated to bring cement to surface.

Tail volume to be calculated to bring cement to 500' above the shoe.

### Production Hole Procedure (2300'± - TD)

**Lead:** 130 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 905 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant),

mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note**: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.



## DRILLING PLAN MULTI-WELL PAD:

CWU 1492-25D, CWU 1493-25D, CWU 1494-25D, CWU 1495-25D, CWU 1496-25D, CWU 1497-25D

SE/NW, SEC. 25, T9S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

### 10. ABNORMAL CONDITIONS:

### Surface Hole (Surface - 2300'±):

Lost circulation

### Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

### 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

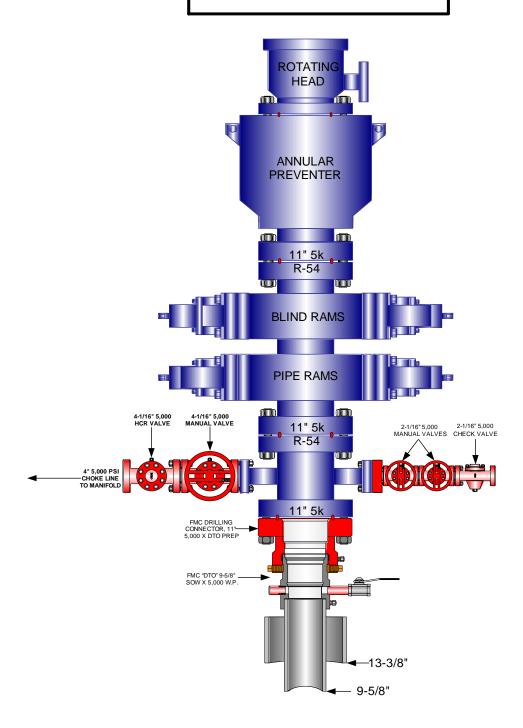
### 13. Air Drilling Operations:

- Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- 3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

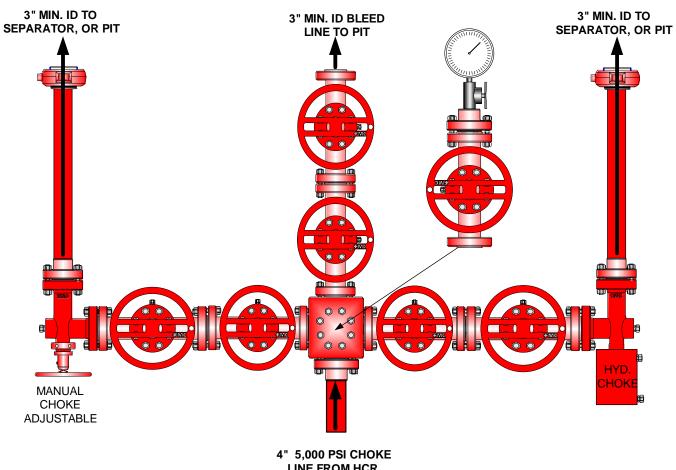
EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

PAGE 1 OF 2



# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

**PAGE 2 0F 2** 



#### 4" 5,000 PSI CHOKE LINE FROM HCR VALVE

### **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

## **EOG RESOURCES, INC.**

CWU #1493-25D, #1495-25D, #1492-25D, #1497-25D, #1494-25D & #1496-25D

LOCATED IN UINTAH COUNTY, UTAH SECTION 25, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

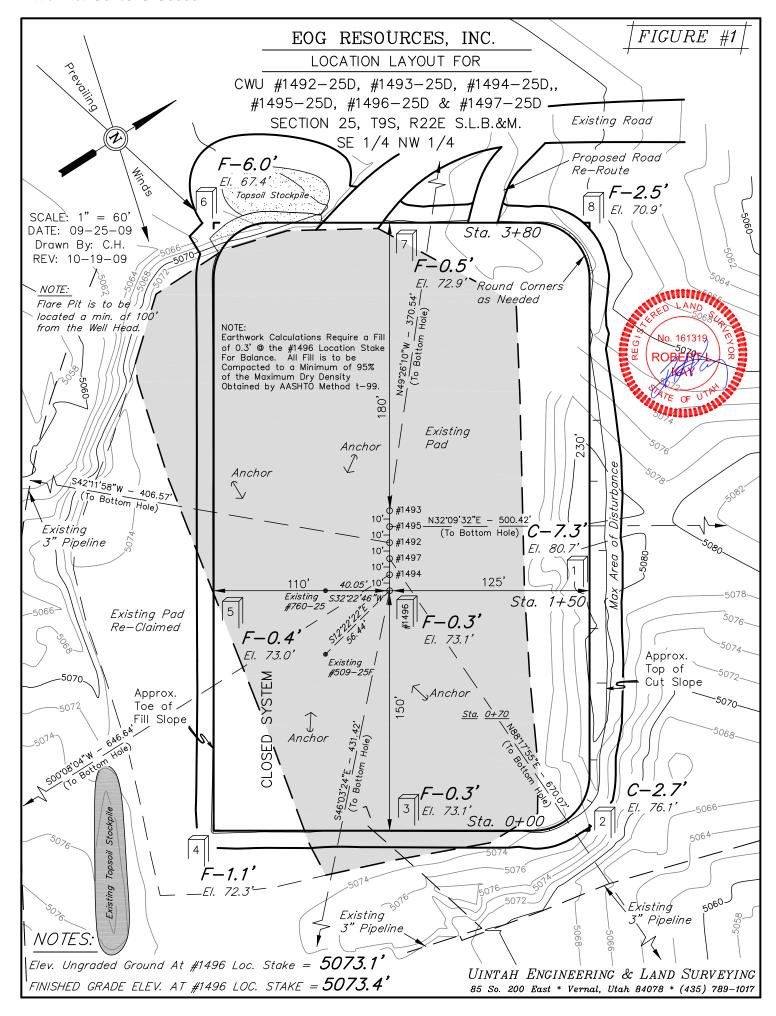


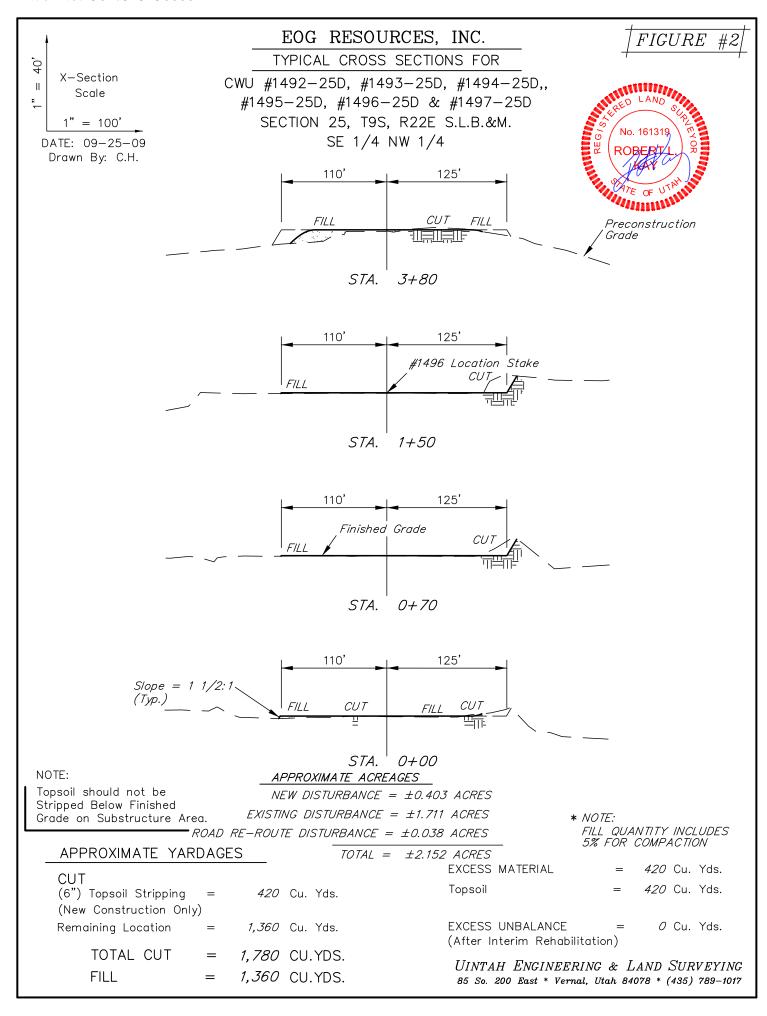
PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHEASTERLY



LOCATION	PHOTOS	09 MONTH	21 DAY	09 YEAR	РНОТО
TAKEN BY: G.S.	DRAWN BY: Z.L	. REV	ISED: 0	0-00-00	





### EOG RESOURCES, INC.

### TYPICAL RIG LAYOUT FOR

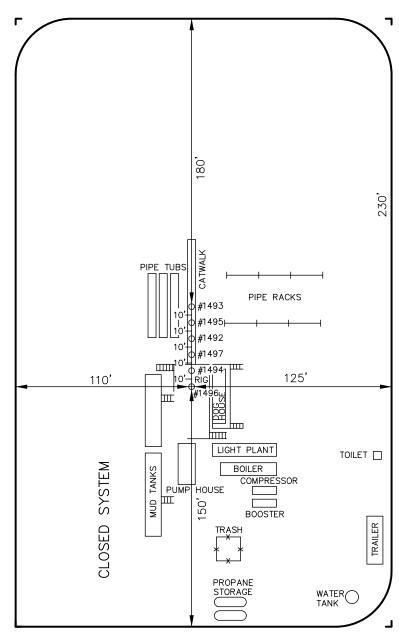
CWU #1492-25D, #1493-25D, #1494-25D, #1495-25D, #1496-25D & #1497-25D SECTION 25, T9S, R22E S.L.B.&M. SE 1/4 NW 1/4



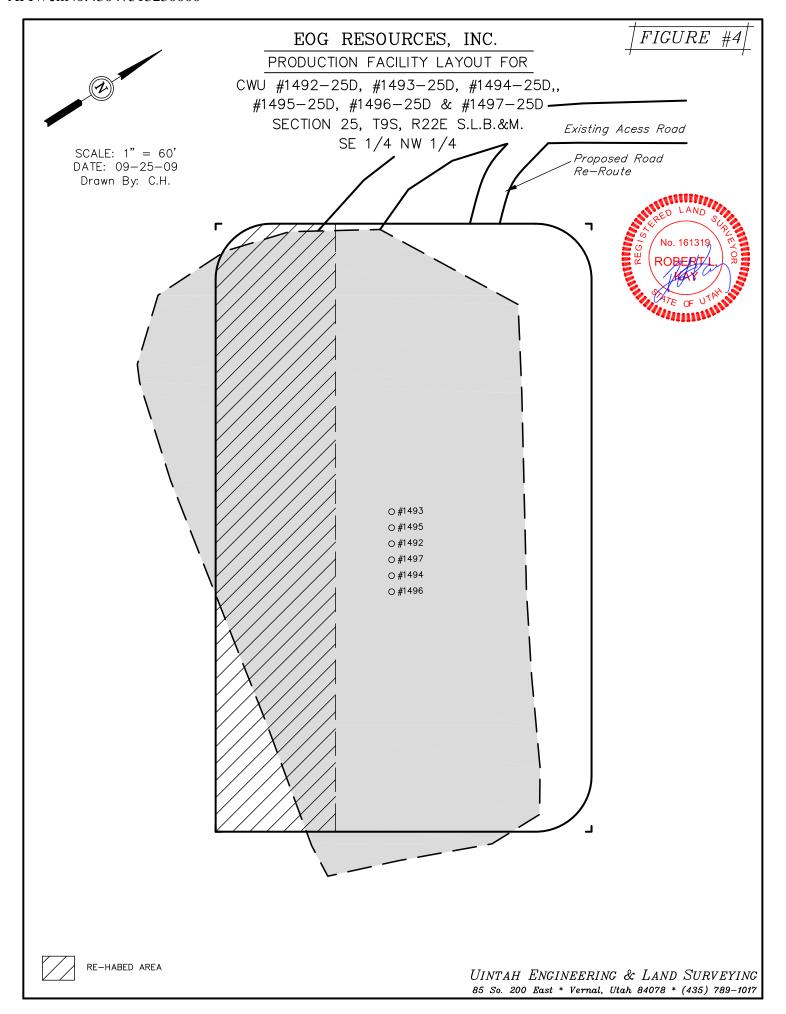


SCALE: 1" = 60' DATE: 09-25-09 Drawn By: C.H.

NOTE:
Flare Pit is to be
located a min. of 100'
from the Well Head.



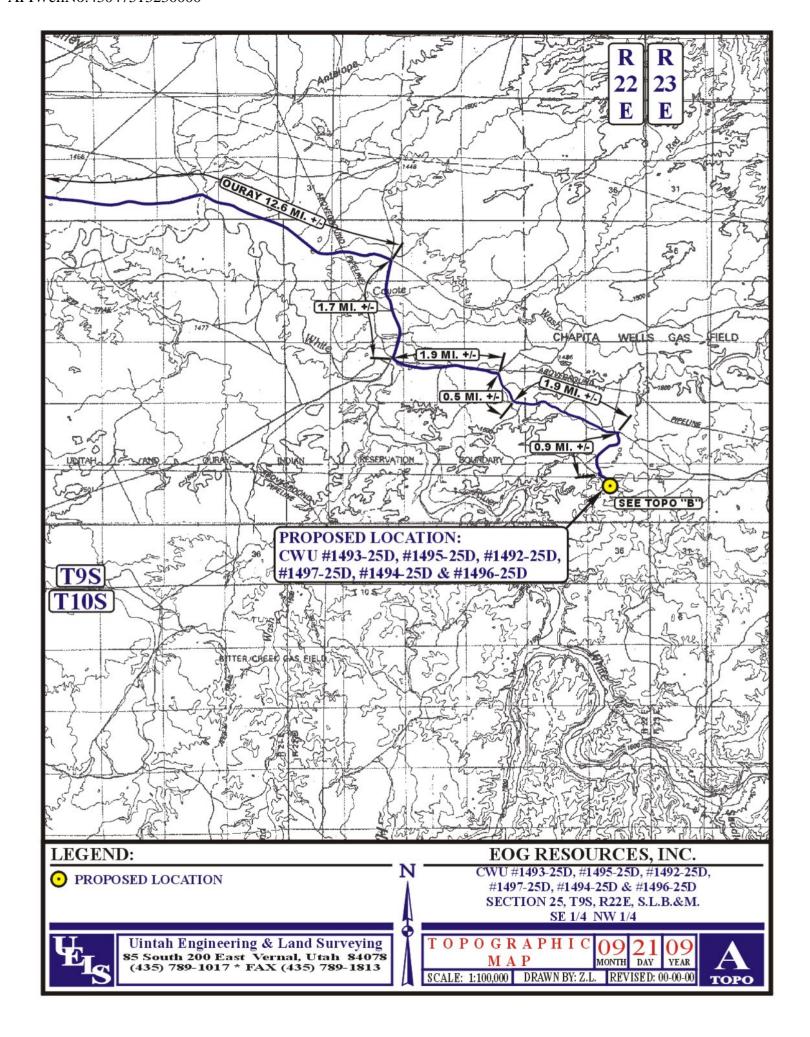
UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

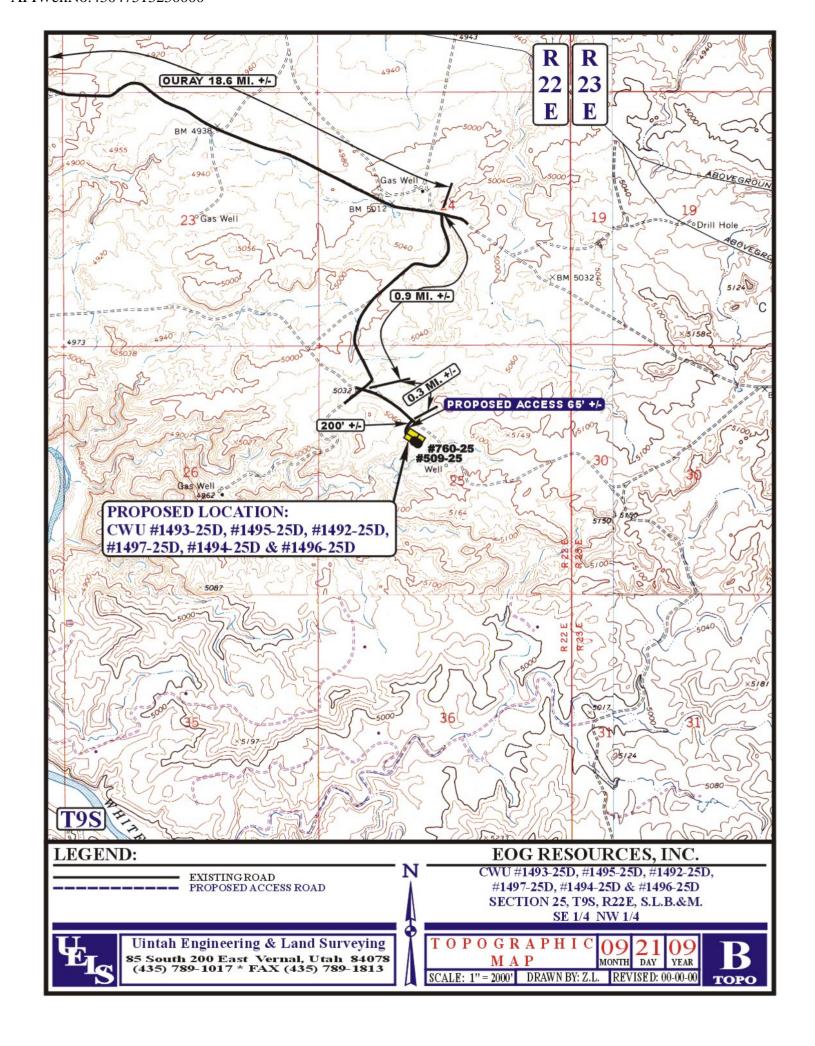


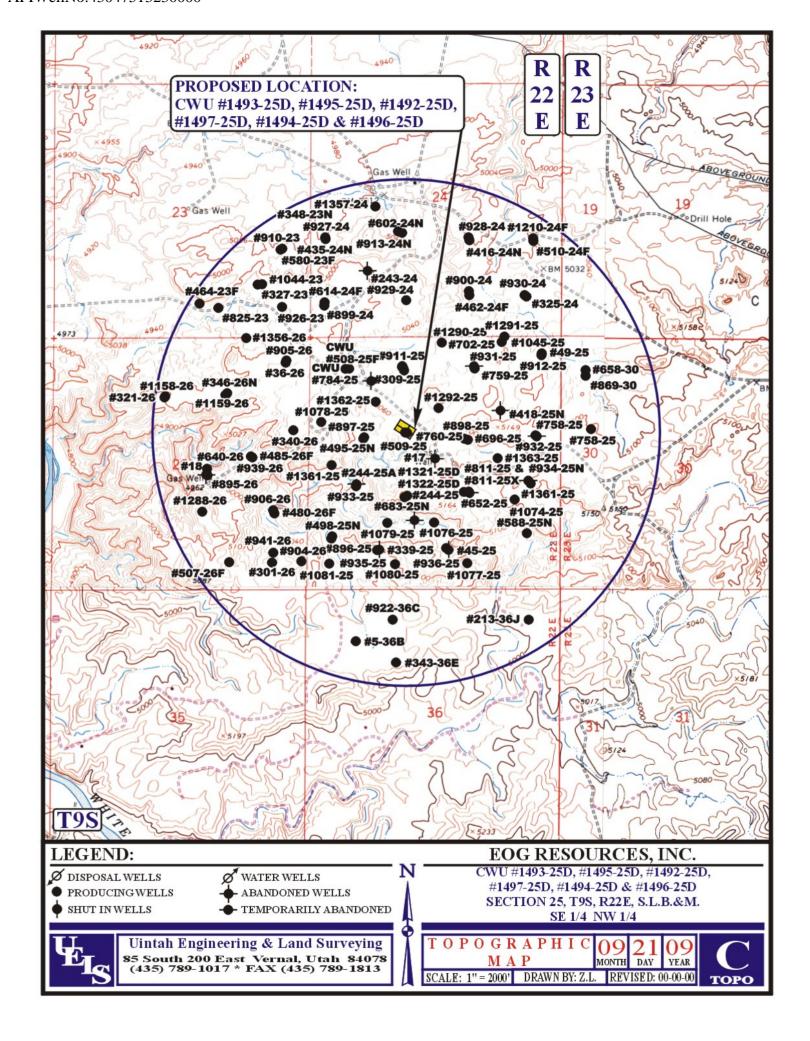
### EOG RESOURCES, INC. CWU #1493-25D, #1495-25D, #1492-25D, #1497-25D, #1494-25D & #1496-25D SECTION 25, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST: TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 200' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH: FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 65' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.8 MILES.









### **Denver Division - Utah**

T9S-R22E Sec 25 CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5) 1496-25D

Wellbore #1

Plan: APD Plan

# **Standard Survey Report**

22 October, 2009



Well:

Design

### **EOG Resources**

Survey Report

Company: Denver Division - Utah
Project: T9S-R22E Sec 25

Site: CWU 1492-1497 25D (Pad B2\_CWU

760-25\_Set 5) 1496-25D

Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference:

TVD Reference:

Database:

Well 1496-25D

WELL @ 5073.0ft (Original Well Elev) WELL @ 5073.0ft (Original Well Elev)

North Reference: True

**Survey Calculation Method:** 

Minimum Curvature

EDM 2003.21 Single User Db

Project T9S-R22E Sec 25

Map System: US State Plane 1927 (Exact solution)

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Utah North 4301

System Datum: Mean Sea Level

Site CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)

Northing: -111,048.05ft Latitude: 40° 0' 31.820 N Site Position: From: Lat/Long Easting: 2,591,168.21ft Longitude: 109° 23' 23.600 W 1.39° **Position Uncertainty:** 0.0 ft Slot Radius: **Grid Convergence:** 

Well 1496-25D

 Well Position
 +N/-S
 0.0 ft
 Northing:
 -111,014.00 ft
 Latitude:
 40° 0' 32.151 N

 +E/-W
 0.0 ft
 Easting:
 2,591,190.08 ft
 Longitude:
 109° 23' 23.309 W

Position Uncertainty 0.0 ft Wellhead Elevation: ft Ground Level: 5,073.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	5/28/2009	11.28	65.96	52,580

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

 Vertical Section:
 Depth From (TVD) (ft)
 +N/-S (ft)
 +E/-W (ft)
 Direction (ft)

 0.0
 0.0
 0.0
 134.08

Survey Tool Program Date 10/22/2009

APD Plan

From To

(ft) (ft) Survey (Wellbore) Tool Name Description

0.0 9,288.5 APD Plan (Wellbore #1) MWD MWD - Standard

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	134.08	400.0	-0.9	0.9	1.3	1.50	1.50	0.00
500.0	3.00	134.08	499.9	-3.6	3.8	5.2	1.50	1.50	0.00
600.0	4.50	134.08	599.7	-8.2	8.5	11.8	1.50	1.50	0.00
700.0	6.00	134.08	699.3	-14.6	15.0	20.9	1.50	1.50	0.00
0.008	7.50	134.08	798.6	-22.7	23.5	32.7	1.50	1.50	0.00
900.0	9.00	134.08	897.5	-32.7	33.8	47.0	1.50	1.50	0.00
966.7	10.00	134.08	963.3	-40.4	41.7	58.0	1.50	1.50	0.00
1,000.0	10.00	134.08	996.1	-44.4	45.8	63.8	0.00	0.00	0.00



Well:

### **EOG Resources**

Survey Report

Company: Denver Division - Utah
Project: T9S-R22E Sec 25

Site: CWU 1492-1497 25D (Pad B2\_CWU

760-25\_Set 5) 1496-25D

Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference:

Database:

Well 1496-25D

WELL @ 5073.0ft (Original Well Elev) WELL @ 5073.0ft (Original Well Elev)

North Reference:

**Survey Calculation Method:** 

True Minimum Curvature

EDM 2003.21 Single User Db

Measured Depth (ft)									
	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,100.0 1,200.0	10.00 10.00	134.08 134.08	1,094.6 1,193.1	-56.5 -68.6	58.3 70.8	81.2 98.5	0.00 0.00	0.00 0.00	0.00 0.00
1,300.0	10.00	134.08	1,291.6	-80.6	83.3	115.9	0.00	0.00	0.00
1,400.0 1,500.0	10.00 10.00	134.08 134.08	1,390.0 1,488.5	-92.7 -104.8	95.7 108.2	133.3 150.6	0.00 0.00	0.00 0.00	0.00 0.00
1,600.0	10.00	134.08	1,587.0	-116.9	120.7	168.0	0.00	0.00	0.00
1,700.0 1,800.0	10.00 10.00	134.08 134.08	1,685.5 1,784.0	-129.0 -141.0	133.2 145.6	185.4 202.7	0.00 0.00	0.00 0.00	0.00 0.00
1,900.0	10.00	134.08	1,882.4	-153.1	158.1	220.1	0.00	0.00	0.00
2,000.0 2,100.0	10.00 10.00	134.08 134.08	1,980.9 2,079.4	-165.2 -177.3	170.6 183.1	237.5 254.8	0.00 0.00	0.00 0.00	0.00 0.00
2,200.0	10.00	134.08	2,177.9	-189.4	195.5	272.2	0.00	0.00	0.00
2,300.0	10.00	134.08	2,276.4	-201.4	208.0	289.6	0.00	0.00	0.00
2,400.0 2,500.0	10.00 10.00	134.08 134.08	2,374.8 2,473.3	-213.5 -225.6	220.5 233.0	306.9 324.3	0.00 0.00	0.00 0.00	0.00 0.00
2,600.0	10.00	134.08	2,473.3 2,571.8	-225.6 -237.7	233.0 245.4	324.3 341.7	0.00	0.00	0.00
2,613.3	10.00	134.08	2,584.9	-239.3	247.1	344.0	0.00	0.00	0.00
2,700.0	9.13	134.08	2,670.4	-249.3	257.4	358.4	1.00	-1.00	0.00
2,800.0	8.13	134.08	2,769.3	-259.8	268.2	373.4	1.00	-1.00	0.00
2,900.0 3,000.0	7.13 6.13	134.08 134.08	2,868.4 2,967.7	-269.0 -277.0	277.8 286.1	386.7 398.2	1.00 1.00	-1.00 -1.00	0.00 0.00
3,100.0	5.13	134.08	3,067.2	-283.9	293.1	408.0	1.00	-1.00	0.00
3,200.0	4.13	134.08	3,166.9	-289.5	298.9	416.1	1.00	-1.00	0.00
3,300.0 3,400.0	3.13	134.08	3,266.7	-293.9	303.5 306.8	422.4 427.0	1.00	-1.00	0.00
3,500.0	2.13 1.13	134.08 134.08	3,366.6 3,466.5	-297.1 -299.1	308.8	427.0 429.9	1.00 1.00	-1.00 -1.00	0.00 0.00
3,600.0	0.13	134.08	3,566.5	-299.8	309.6	431.0	1.00	-1.00	0.00
3,613.3	0.00	0.00	3,579.8	-299.8	309.6	431.0	1.00	-1.00	0.00
3,700.0 3,800.0	0.00 0.00	0.00 0.00	3,666.5 3,766.5	-299.8 -299.8	309.6 309.6	431.0 431.0	0.00 0.00	0.00 0.00	0.00 0.00
3,900.0	0.00	0.00	3,766.5	-299.8	309.6	431.0	0.00	0.00	0.00
4,000.0	0.00	0.00	3,966.5	-299.8	309.6	431.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,066.5	-299.8	309.6	431.0	0.00	0.00	0.00
4,200.0 4.300.0	0.00 0.00	0.00 0.00	4,166.5 4.266.5	-299.8 -299.8	309.6 309.6	431.0 431.0	0.00 0.00	0.00 0.00	0.00 0.00
4,400.0	0.00	0.00	4,366.5	-299.8	309.6	431.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,466.5	-299.8	309.6	431.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,566.5	-299.8	309.6	431.0	0.00	0.00	0.00
4,700.0 4,800.0	0.00 0.00	0.00 0.00	4,666.5 4,766.5	-299.8 -299.8	309.6 309.6	431.0 431.0	0.00 0.00	0.00 0.00	0.00 0.00
4,900.0	0.00	0.00	4,766.5	-299.8	309.6	431.0	0.00	0.00	0.00
5,000.0	0.00	0.00	4,966.5	-299.8	309.6	431.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,066.5	-299.8	309.6	431.0	0.00	0.00	0.00
5,200.0 5,300.0	0.00 0.00	0.00 0.00	5,166.5 5,266.5	-299.8 -299.8	309.6 309.6	431.0 431.0	0.00 0.00	0.00 0.00	0.00 0.00
5,400.0	0.00	0.00	5,366.5	-299.8	309.6	431.0	0.00	0.00	0.00
5,500.0 5,600.0	0.00 0.00	0.00 0.00	5,466.5 5,566.5	-299.8 -299.8	309.6 309.6	431.0 431.0	0.00 0.00	0.00	0.00
5,600.0 5,700.0		0.00	5,666.5	-299.8 -299.8		431.0 431.0	0.00	0.00 0.00	0.00 0.00
5,700.0 5,800.0	0.00 0.00	0.00	5,000.5 5,766.5	-299.8 -299.8	309.6 309.6	431.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,866.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,000.0 6,100.0	0.00 0.00	0.00 0.00	5,966.5 6,066.5	-299.8 -299.8	309.6 309.6	431.0 431.0	0.00 0.00	0.00 0.00	0.00 0.00



Well:

### **EOG Resources**

Survey Report

Company: Denver Division - Utah
Project: T9S-R22E Sec 25

Site: CWU 1492-1497 25D (Pad B2\_CWU

760-25\_Set 5) 1496-25D

Wellbore: Wellbore #1
Design: APD Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference:

Well 1496-25D

WELL @ 5073.0ft (Original Well Elev) WELL @ 5073.0ft (Original Well Elev)

North Reference: True

Survey Calculation Method: Mini

Database:

Minimum Curvature

EDM 2003.21 Single User Db

anned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,200.0	0.00	0.00	6,166.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,266.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,366.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,466.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,566.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,666.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,766.5	-299.8	309.6	431.0	0.00	0.00	0.00
6,877.5	0.00	0.00	6,844.0	-299.8	309.6	431.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,866.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,966.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,066.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,166.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,266.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,366.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,466.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,566.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,666.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,766.5	-299.8	309.6	431.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,866.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,966.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,066.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,166.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,266.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,366.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,466.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,566.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,666.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,766.5	-299.8	309.6	431.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,866.5	-299.8	309.6	431.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,966.5	-299.8	309.6	431.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,066.5	-299.8	309.6	431.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,166.5	-299.8	309.6	431.0	0.00	0.00	0.00
9,288.5	0.00	0.00	9,255.0	-299.8	309.6	431.0	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
CWU 1496-25D - plan hits target o - Circle (radius 50		0.00	6,844.0	-299.8	309.6	-111,306.24	2,591,506.88	40° 0' 29.189 N	109° 23' 19.331 W

Tippiorou by:	Checked By:	Approved By:	Date:
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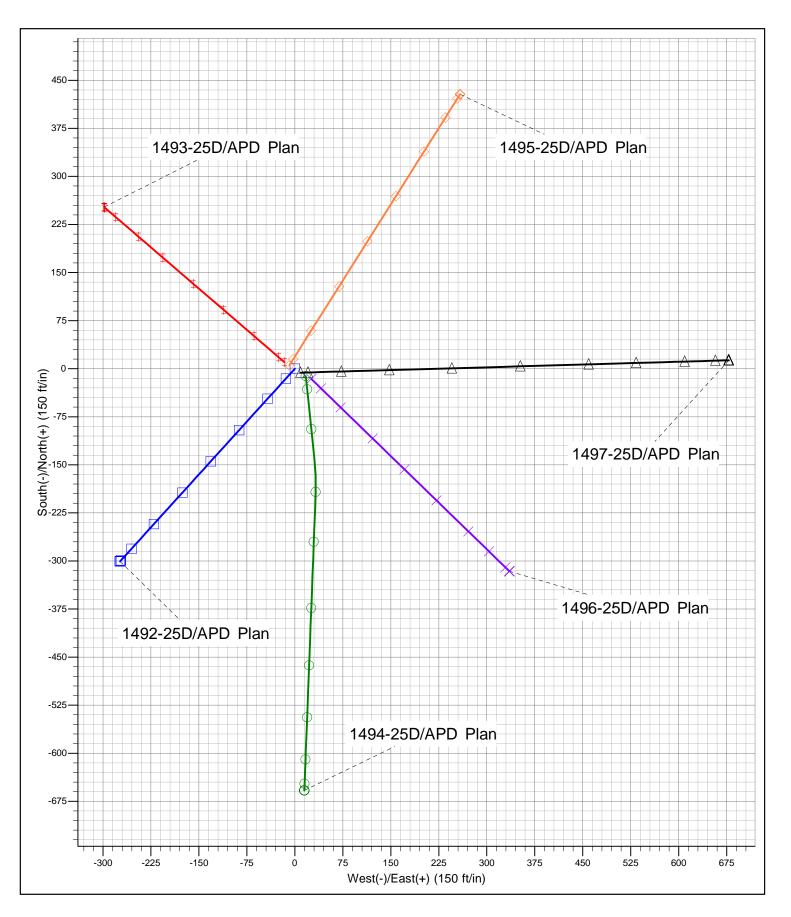
Date: 5/28/2009 Model: IGRF200510

						SECTION	DETAILS					
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
	1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	•	
	2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0		
	3	966.7	10.00	134.08	963.3	-40.4	41.7	1.50	134.08	58.0		
	4	2613.3	10.00	134.08	2584.9	-239.3	247.1	0.00	0.00	344.0		
	5	3613.3	0.00	0.00	3579.8	-299.8	309.6	1.00	180.00	431.0		
	6	6877.5	0.00	0.00	6844.0	-299.8	309.6	0.00	0.00	431.0	CWU 1496-25E	)
	7	9288.5	0.00	0.00	9255.0	-299.8	309.6	0.00	0.00	431.0		
						TARGET	DETAILS					
Name	TV	D +1	N/-S	+E/-W	Northin	g I	Easting		Latitude		Longitude	Shape
CWU 1496-25D	6844.	.0 -29	99.8	309.6	-111306.2	4 2591	506.88	40°0'	29.189 N	109°23	' 19.331 W	Circle (Radius: 50.0)

### CWU 1492-25D, CWU 1493-25D, CWU 1494-25D CWU 1495-25D, CWU 1496-25D, CWU 1497-25D

SE/NW, SEC. 25 T9S, R22E, S.L.B. & M. UINTAH COUNTY, UTAH







# Chapita Wells Unit 1492-25D, 1493-25D, 1494-25D, 1495-25D, 1496-25D, 1497-25D SENW, Section 25, T9S, R22E Uintah County, Utah

### SURFACE USE PLAN

The well pad is approximately 442 feet long with a 235-foot width, containing 2.38 acres more or less. New surface disturbance associated with the well pad is estimated to be 2.38 acres.

### 1. EXISTING ROADS:

- A. See attached Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 50.5 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. The existing access road for the producing well CWU 509-25F and the CWU 760-25 will be used to access the proposed locations.
- B. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

### 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, six (6) to Ten (10) 400-bbl vertical tanks and associated pipe.
- 2. Gas gathering lines A 4" gathering line will be buried from the dehy unit to the edge of the location.

### B. Off Well Pad

- 1. Proposed pipeline will transport natural gas.
- 2. The pipeline will be a permanent feeder line.
- 3. No off well pad pipeline will be required. The existing pipeline for producing the CWU 509-25F and the CWU 760-25 will be used.
- 4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
- 5. Proposed pipeline will be laid on surface.
- 6. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil and drill cuttings, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

### 5. LOCATION AND TYPE OF WATER SUPPLY:

A. Water supply will be Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)).

- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

### 6. Source of Construction Materials:

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

### 7. METHODS OF HANDLING WASTE DISPOSAL:

### A. METHODS AND LOCATION

- 1. Cuttings will be confined and dries within the Closed Loop System. Dried cuttings will be spread on the authorized access road and the well pad.
- 2. Drill cuttings will be mixed with the road base and used for the construction of containment berms. The containment berms will be sufficiently impervious, hold 110 percent capacity of the largest tank and be independent of the back cut.
- 3. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 4. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 5. Produced wastewater will be confined to a storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD CWU 2-29 SWD, Red Wash Evaporation Ponds 1, 2, 3, 4, 5, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or White River Evaporation Ponds 1, or 2, or Hoss SWD Facility, right-of-way UTU 86010, UTU 897093 or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 6. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit, through natural or artificial methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilled utilizing a closed loop system. The closed loop system will be installed in a manner that prevents leaks, breaks, or discharge. Drilll cutting will be contained in an area approximately 50' x 100'. The surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on the location and access road. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

### 8. ANCILLARY FACILITIES:

None anticipated.

### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location.

The corners of the well pad will be rounded off as needed to minimize excavation.

### 10. Plans for Reclamation of the Surface:

### A. Interim Reclamation (Producing Location)

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3.

The stockpiled topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan approved September 2009.

### B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriate final reclamation conditions of approval.

### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

### **Bureau of Land Management**

### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.

 A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. Prior to the application of herbicides or other pesticides or possible hazardous chemicals A Pesticide Use proposal shall be submitted for BLM approval.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A block cultural resources survey for Sec, 25, T9S, R22E was conducted and submitted by Montgomery Archaeological Consultants, Inc. MOAC Report No. 06-615, State of Utah Antiquities Project (Survey) Permit No. U-07-MQ-0200b. A paleontology survey was conducted and submitted on January 28, 2010 IPC#09-796. A special status plant and wildlife species reports was conducted and submitted by Grasslands Consulting, Inc. on April 7, 2010.

### LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

### **PERMITTING AGENT**

Nanette Lupcho EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078 (435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

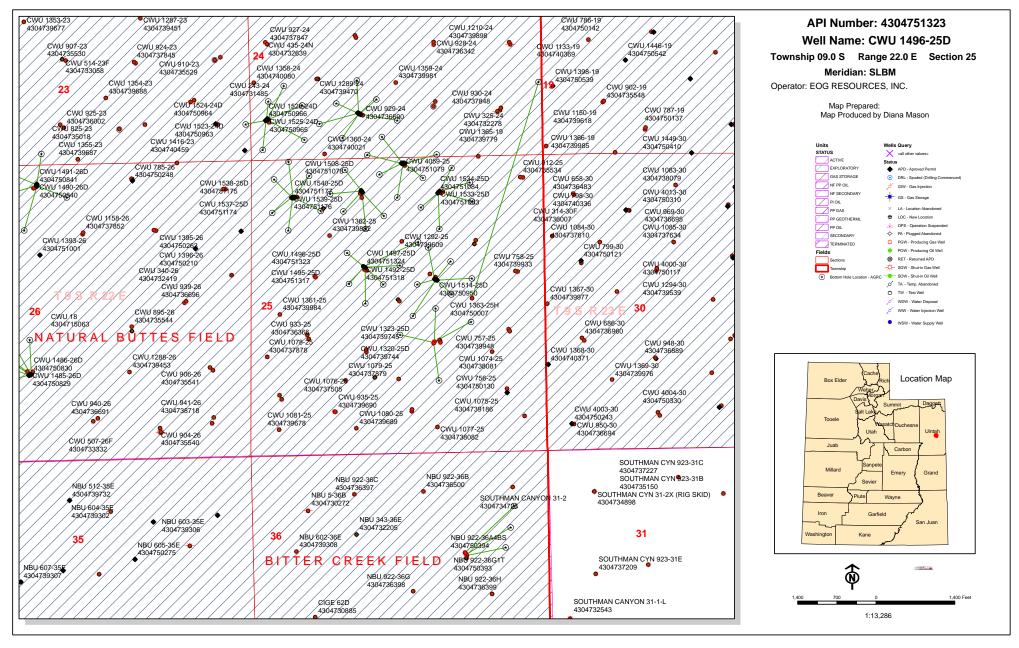
The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

### **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the CWU 1492-25D, 1493-25D, 1494-25D, 1495-25D, 1496-25D, 1497-25D Wells, located in the SENW, of Section 25, T9S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

October 6, 2010						
Date	Nanette Lupcho, Regulatory Assistant					



### **United States Department of the Interior**

### BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

October 19, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 Plan of Development Chapita Wells Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2010 within the Chapita Wells Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ MESA VERDE)

43-047-51315 CWU 1493-25D Sec 25 T09S R22E 1930 FNL 1988 FWL BHL Sec 25 T09S R22E 1687 FNL 1708 FWL

43-047-51316 CWU 1494-25D Sec 25 T09S R22E 1951 FNL 2022 FWL BHL Sec 25 T09S R22E 2598 FNL 2018 FWL

43-047-51317 CWU 1495-25D Sec 25 T09S R22E 1935 FNL 1997 FWL BHL Sec 25 T09S R22E 1513 FNL 2265 FWL

43-047-51318 CWU 1492-25D Sec 25 T09S R22E 1940 FNL 2005 FWL BHL Sec 25 T09S R22E 2240 FNL 1731 FWL

43-047-51323 CWU 1496-25D Sec 25 T09S R22E 1957 FNL 2031 FWL

BHL Sec 25 T09S R22E 2258 FNL 2340 FWL

43-047-51324 CWU 1497-25D Sec 25 T09S R22E 1946 FNL 2014 FWL BHL Sec 25 T09S R22E 1930 FNL 2592 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard

DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals,
email=Michael\_Coulthard@blm.gov, c=US

Date: 2010.10.19 09:04:00 -06'00'

bcc: File - Chapita Wells Unit

Division of Oil Gas and Mining

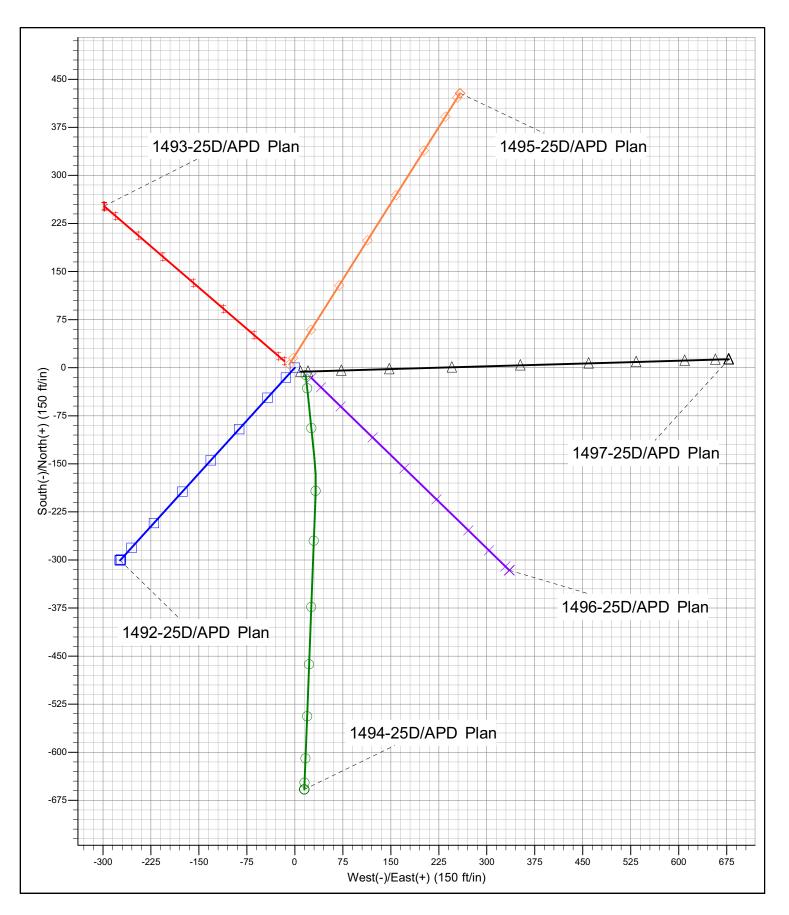
Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:10-19-10

# CWU 1492-25D, CWU 1493-25D, CWU 1494-25D CWU 1495-25D, CWU 1496-25D, CWU 1497-25D

SE/NW, SEC. 25 T9S, R22E, S.L.B. & M. UINTAH COUNTY, UTAH







Date: 5/28/2009 Model: IGRF200510

					;	SECTION	DETAILS					
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
	1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
	2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0		
	3	1000.0	9.00	310.64	997.5	30.6	-35.7	1.50	310.64	47.0		
	4	2623.0	9.00	310.64	2600.6	196.0	-228.3	0.00	0.00	300.9		
	5	3523.0	0.00	0.00	3496.9	241.9	-281.9	1.00	180.00	371.5		
	6	6924.1	0.00	0.00	6898.0	241.9	-281.9	0.00	0.00	371.5	CWU 1493-25I	0
	7	9311.1	0.00	0.00	9285.0	241.9	-281.9	0.00	0.00	371.5		
						TARGET	DETAILS					
Name	TV		I/-S	+E/-W	Northing		Easting		Latitude		Longitude	Shape
CWU 1493-25D	6898	.0 24	1.9	-281.9	-110753.77	2590	859.77	40°0'	34.801 N	109°23	' 27.470 W	Circle (Radius: 50.0)

						SECTION	DETAILS					
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
	1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	•	
	2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0		
	3	1300.0	15.00	174.00	1288.6	-129.4	13.6	1.50	174.00	129.4		
	4	1511.7	15.00	182.19	1493.1	-184.1	15.4	1.00	93.95	184.0	CWU 1494-25D	)
	5	2546.2	15.00	182.19	2492.4	-451.6	5.2	0.00	0.00	451.6		
	6	4046.2	0.00	0.00	3975.3	-646.7	-2.2	1.00	180.00	646.7		
	7	6909.9	0.00	0.00	6839.0	-646.7	-2.2	0.00	0.00	646.7	CWU 1494-25E	)
	8	9320.9	0.00	0.00	9250.0	-646.7	-2.2	0.00	0.00	646.7		
						TARGET	DETAILS					
Name	TV	1+ D	N/-S	+E/-W	Northing	j i	Easting		Latitude		Longitude	Shape
CWU 1494-25D	6839.	.0 -64	46.7	-2.2	-111656.05	2591	194.75	40° 0	) 25.808 N	109°23	3' 23.449 W	Circle (Radius: 50.0)

					;	SECTION	DETAILS					
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
	1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
	2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0		
	3	1200.0	12.00	32.26	1194.2	70.6	44.6	1.50	32.26	83.5		
	4	2602.4	12.00	32.26	2565.9	317.1	200.2	0.00	0.00	375.0		
	5	3802.4	0.00	0.00	3757.1	423.0	267.0	1.00	180.00	500.2		
	6	6919.2	0.00	0.00	6874.0	423.0	267.0	0.00	0.00	500.2	CWU 1495-25D	)
	7	9320.2	0.00	0.00	9275.0	423.0	267.0	0.00	0.00	500.2		
						TARGET	DETAILS					
Name	TVI		N/-S	+E/-W	Northing		Easting		Latitude		Longitude	Shape
CWU 1495-25D	6874.	0 42	23.0	267.0	-110564.33	2591	411.78	40° 0	' 36.540 N	109°23	' 20.321 W	Circle (Radius: 50.0)

-750-

750-

1500-

2250

8250

9000

9750

-1500



# CWU 1492-25D

Section 25 T9S R22E **Uintah County, UT** 

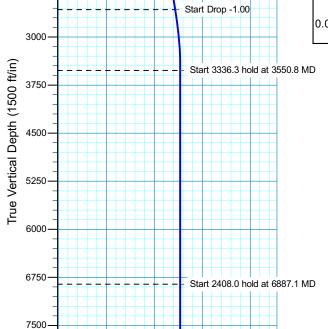
#### Surface Location

NAD 1927 (NADCON CONUS) Utah North 4301 RIG @ 5092.0ft (TRUE 34) Ground Elevation: 5073.0

Northing 0.0 -110998.60 Easting 2591163.92

Latittude 40°0' 32.310 N

Longitude 109°23' 23.640 W



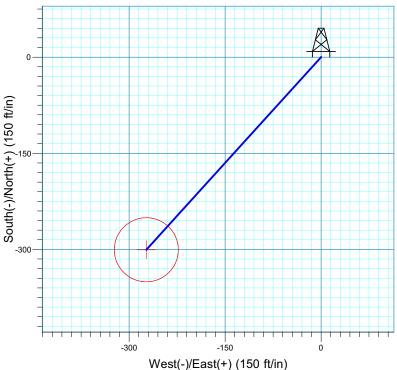
TD at 9295.1

Vertical Section at 222.27° (1500 ft/in)

1500

Start Build 1.50

Start 1667.4 hold at 933.3 MD



Project: T9S-R22E Sec 25 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)
Well: 1492-25D
Plan: APD Plan

Azimuths to True North Magnetic North: 11.28°

Magnetic Field Strength: 52580.5snT Dip Angle: 65.96° Date: 5/28/2009 Model: IGRF200510

						SECTION	N DETAILS					
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
	1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
	2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0		
	3	933.3	9.50	222.27	930.4	-38.8	-35.2	1.50	222.27	52.4		
	4	2600.8	9.50	222.27	2575.0	-242.4	-220.3	0.00	0.00	327.6		
	5	3550.8	0.00	0.00	3520.7	-300.6	-273.2	1.00	180.00	406.2		
	6	6887.1	0.00	0.00	6857.0	-300.6	-273.2	0.00	0.00	406.2	CWU 1492-25	D
	7	9295.1	0.00	0.00	9265.0	-300.6	-273.2	0.00	0.00	406.2		
						TARGET	DETAILS					
Name	TV		I/-S	+E/-W	Northing		Easting	409.01	Latitude	4000000	Longitude	Shape
CWU 1492-25D	6857.	.0 -30	0.6	-273.2	-111305.72	2590	)898.12	40 0	29.340 N	109-23	27.150 W	Circle (Radius: 50.0)

Inc Azi TVD	VSec Target	g TFace	
0.00 0.00 0.0	0.0	0.00	
0.00 0.00 300.0	0.0	0.00	
0.00 134.08 963.3	58.0	0 134.08	
0.00 134.08 2584.9	344.0	0.00	
0.00 0.00 3579.8	431.0	0 180.00	
0.00 0.00 6844.0	431.0 CWU 149	0.00	)
0.00 0.00 9255.0	431.0	0.00	
+E/-W North	Longitude	Latitude	Shape Circle (Radius: 50.0)



Dip Angle: 65.96° Date: 5/28/2009 Model: IGRF200510

						SECTION	DETAILS					
	Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace		Target	
	1	0.0 400.0	0.00	0.00 0.00	0.0 400.0	0.0 0.0	0.0 0.0	0.00	0.00 0.00	0.0 0.0		
	3	1433.3	15.50	88.35	1420.8	4.0	138.9	1.50	88.35	138.9		
	4 5	2640.6 4190.6	15.50 0.00	88.35 0.00	2584.1 4115.3	13.3 19.3	461.4 669.6	0.00 1.00	0.00 180.00	461.5 669.9		
	6	6927.3	0.00	0.00	6852.0	19.3	669.6	0.00	0.00	669.9	CWU 1497-25E	)
	7	9340.3	0.00	0.00	9265.0	19.3	669.6	0.00	0.00	669.9		
						TARGET	DETAILS					
Name CWU 1497-25D	TV 6852.		N/-S 19.3	+E/-W 669.6	Northin -110969.0		Easting 841.74	40° 0	Latitude ' 32.440 N	109°23	Longitude ' 14.924 W	Shape Circle (Radius: 50.0)

Vertical Section at 88.35° (1500 ft/in)

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

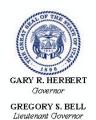
**APD RECEIVED:** 10/11/2010 **API NO. ASSIGNED:** 43047513230000 WELL NAME: CWU 1496-25D **PHONE NUMBER:** 435 781-9157 **OPERATOR:** EOG Resources, Inc. (N9550) **CONTACT:** Nanette Lupcho PROPOSED LOCATION: SENW 25 090S 220E **Permit Tech Review: SURFACE: 1957 FNL 2031 FWL Engineering Review: BOTTOM:** 2258 FNL 2340 FWL Geology Review: **COUNTY: UINTAH LATITUDE:** 40.00896 **LONGITUDE:** -109.38977 UTM SURF EASTINGS: 637437.00 NORTHINGS: 4429783.00 FIELD NAME: NATURAL BUTTES **LEASE TYPE:** 1 - Federal **LEASE NUMBER: UTU0285A** PROPOSED PRODUCING FORMATION(S): MESA VERDE **SURFACE OWNER:** 1 - Federal **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:**  PLAT R649-2-3. Unit: CHAPITA WELLS Bond: FEDERAL - NM2308 **Potash** R649-3-2. General ✓ Oil Shale 190-5 **Oil Shale 190-3** R649-3-3. Exception Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 179-8 Water Permit: 49-225 **Effective Date:** 8/10/1999 **RDCC Review:** Siting: Suspends General Siting **Fee Surface Agreement Intent to Commingle** ■ R649-3-11. Directional Drill **Commingling Approved** 

**Comments:** Presite Completed

Stipulations:

4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason

API Well No: 43047513230000



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

# Permit To Drill

\*\*\*\*\*

**Well Name:** CWU 1496-25D **API Well Number:** 43047513230000

**Lease Number:** UTU0285A **Surface Owner:** FEDERAL **Approval Date:** 10/25/2010

#### **Issued to:**

EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-8. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

## **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

API Well No: 43047513230000

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

## **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas Sundry Number: 19014 API Well Number: 43047513230000

	STATE OF UTAH				FORM 9	
	DIVISION OF OIL, GAS, AND MI		3	5.LEAS UTU02	E DESIGNATION AND SERIAL NUMBER: 285A	
SUNDF	RY NOTICES AND REPORTS	S ON	I WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS			
1. TYPE OF WELL Gas Well					L NAME and NUMBER: 496-25D	
2. NAME OF OPERATOR: EOG Resources, Inc.					NUMBER: 513230000	
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna		UMBER: ixt		<b>D and POOL or WILDCAT:</b> RAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1957 FNL 2031 FWL				COUNT		
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SENW Section: 25	IP, RANGE, MERIDIAN: Township: 09.0S Range: 22.0E Meridian	: S		STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPORT,	OR OTI	HER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION			
	☐ ACIDIZE		ALTER CASING		CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME	
9/30/2011	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK	
	☐ PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	□ :	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON	
	☐ TUBING REPAIR		VENT OR FLARE		WATER DISPOSAL	
DRILLING REPORT	□ WATER SHUTOFF	□ :	SI TA STATUS EXTENSION	1	APD EXTENSION	
Report Date:	☐ WILDCAT WELL DETERMINATION		OTHER	отн	ED.	
					<u></u>	
l .	paperetions. Clearly show all portions and properties of the AP extended for one year	D fo		e 🖊	approved by the	
					Jtah Division of I, Gas and Mining	
			D	ate:_	10/13/2011	
				y: <u> &amp;</u>	.0054XXX	
					<i>y</i> 2	
NAME (PLEASE PRINT) Michelle Robles	<b>PHONE NUMBEI</b> 307 276-4842	R	TITLE Regulatory Assistant			
SIGNATURE N/A			<b>DATE</b> 9/30/2011			

Sundry Number: 19014 API Well Number: 43047513230000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

# Request for Permit Extension Validation Well Number 43047513230000

**API:** 43047513230000 **Well Name:** CWU 1496-25D

Location: 1957 FNL 2031 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

**Date Original Permit Issued:** 10/25/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes </li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No

**Signature:** Michelle Robles **Date:** 9/30/2011

**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

**Sundry Number: 30018 API Well Number: 43047513230000** 

	STATE OF UTAH		FORM 9		
ſ	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A		
SUNDR	Y NOTICES AND REPORTS (	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1496-25D		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047513230000		
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	N , Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1957 FNL 2031 FWL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENW Section: 2	IIP, RANGE, MERIDIAN: 25 Township: 09.0S Range: 22.0E Meridi	an: S	STATE: UTAH		
11. CHECI	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	ACIDIZE	ALTER CASING	CASING REPAIR		
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME		
9/18/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK		
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
☐ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION		
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	Il pertinent details including dates, o	lepths, volumes, etc.		
	nc. respectfully requests the A well be extended for one ye	APD for the referenced	Approved by the Utah Division of Oil, Gas and Mining		
			0 1 1 1 0 0010		
			Date: September 18, 2012		
			By: Dady		
NAME (PLEASE PRINT)	PHONE NUMBE				
Vail Nazzaro	303 824-5590	Sr. Regulatory Assistant			
SIGNATURE N/A		<b>DATE</b> 9/18/2012			

Sundry Number: 30018 API Well Number: 43047513230000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047513230000

**API:** 43047513230000 **Well Name:** CWU 1496-25D

Location: 1957 FNL 2031 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed? 🔘 Yes 📵 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No

Signature: Vail Nazzaro Date: 9/18/2012

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 43647 API Well Number: 43047513230000

	STATE OF UTAH			FORM 9	
	DEPARTMENT OF NATURAL RESO DIVISION OF OIL, GAS, AND			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A	
SUNDR	RY NOTICES AND REPORT	TS ON V	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	oposals to drill new wells, significal reenter plugged wells, or to drill ho n for such proposals.		7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1496-25D		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047513230000		
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	O N , Denver, CO, 80202	NE NUMBER: 5 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1957 FNL 2031 FWL QTR/QTR, SECTION, TOWNSH				COUNTY: UINTAH	
	25 Township: 09.0S Range: 22.0E N	Meridian: S	8	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDI	ICATE NA	TURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		TER CASING	CASING REPAIR	
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	С	HANGE TUBING	CHANGE WELL NAME	
10/10/2013	CHANGE WELL STATUS	□ co	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT	DEEPEN	☐ FF	RACTURE TREAT	NEW CONSTRUCTION	
Date of Work Completion:	OPERATOR CHANGE	☐ PL	LUG AND ABANDON	PLUG BACK	
	PRODUCTION START OR RESUME	☐ RE	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	□ sı	DETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	☐ ve	ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT	WATER SHUTOFF	□ sı	TA STATUS EXTENSION	✓ APD EXTENSION	
Report Date:	WILDCAT WELL DETERMINATION	o	THER	OTHER:	
	COMPLETED OPERATIONS. Clearly shoc. respectfully requests the well be extended for one	he APD	_	Approved by the Utah Division of Oil, Gas and Mining  Date: October 17, 2013  By:	
NAME (PLEASE PRINT)	PHONE NU	UMBER	TITLE		
Vail Nazzaro	303 824-5590		Sr. Regulatory Assistant		
SIGNATURE N/A			<b>DATE</b> 10/10/2013		

Sundry Number: 43647 API Well Number: 43047513230000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047513230000

**API:** 43047513230000 **Well Name:** CWU 1496-25D

Location: 1957 FNL 2031 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

···
• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well? 📵 Yes 🔘 No
nature: Vail Nazzaro Date: 10/10/2013

Title: Cr. Degulatory Assistant Penyspenting: FOC DESOLIDEES INC

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 56600 API Well Number: 43047513230000

STATE OF UTAH			FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.				7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1496-25D	
2. NAME OF OPERATOR: EOG RESOURCES, INC.				<b>9. API NUMBER:</b> 43047513230000
3. ADDRESS OF OPERATOR: 600 17th Street, Suite 1000	) N , Denver, CO, 80202		NE NUMBER: 35 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE:				COUNTY: UINTAH
1957 FNL 2031 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S			S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDI	CATE NA	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
10/10/2014	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	∐ P	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ R	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	□ v	/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	□ s	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION		OTHER	OTHER:
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly sh	ow all no	rtinent details including dates d	lenths volumes etc
	nc. respectfully requests the well be extended for one	ne APD	o for the referenced	Approved by the Wetoberisi4n2614
				Oil, Gas and Mining
				Date:
				By: Bacquill
NAME (PLEASE PRINT)	PHONE NU	IMBER	TITLE	
Donna J Skinner	303 262-9467		Sr. Regulatory Assistant	
SIGNATURE			DATE 10/10/2014	

Sundry Number: 56600 API Well Number: 43047513230000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047513230000

**API:** 43047513230000 **Well Name:** CWU 1496-25D

Location: 1957 FNL 2031 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ( Yes ( No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?   Yes  No
• Is bonding still in place, which covers this proposed well?   Yes   No
natura: Donna I Skinnor Data: 10/10/2014

Signature: Donna J Skinner Date: 10/10/2014

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

Sundry Number: 65907 API Well Number: 43047513230000

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1496-25D
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047513230000
3. ADDRESS OF OPERATOR: 1060 East Highway 40, Ve		PHONE NUMBER: 1-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1957 FNL 2031 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S			STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
9/2/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all	pertinent details including dates.	depths, volumes, etc.
I .	nc. respectfully requests the A		Approved by the
	well be extended for one year	ar.	Useptembeo 0 3,f2015 Oil, Gas and Mining
			Date:
			By: Basylll
NAME (PLEASE PRINT) Kaylene Gardner	PHONE NUMBE 435 781-9111	R TITLE Regulatory Administrator	
SIGNATURE	400 701 0111	DATE	
N/A		9/2/2015	

Sundry Number: 65907 API Well Number: 43047513230000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

Title: Regulatory Administrator Representing: EOG RESOURCES, INC.

## Request for Permit Extension Validation Well Number 43047513230000

**API:** 43047513230000 **Well Name:** CWU 1496-25D

Location: 1957 FNL 2031 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

•		• • • • • • • • • • • • • • • • • • • •	
• If loc Yes		e ownership changed, if so, has the sui	rface agreement been updated? 🔵
	any wells been drilled in the rements for this location?	e vicinity of the proposed well which w Yes 📵 No	would affect the spacing or siting
	there been any unit or other osed well? 🤵 Yes 🍺 N		fect the permitting or operation of this
	there been any changes to toosed location?		, or rightof- way, which could affect the
• Has t	the approved source of water	r for drilling changed? 🔵 Yes 🃵	No
		anges to the surface location or access to the surface location? Q Yes 📵	
• Is bo	nding still in place, which co	overs this proposed well? 🌘 Yes 🔾	) No
Signature:	Kaylene Gardner	<b>Date</b> : 9/2/2015	

Sundry Number: 73855 API Well Number: 43047513230000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURG DIVISION OF OIL, GAS, AND MI	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU0285A	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: CHAPITA WELLS
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: CWU 1496-25D
2. NAME OF OPERATOR: EOG RESOURCES, INC.			9. API NUMBER: 43047513230000
3. ADDRESS OF OPERATOR: 600 17th Street Ste 1000N	, Denver, CO, 80202	PHONE NUMBER: 435 781-9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE:			COUNTY: UINTAH
1957 FNL 2031 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S			STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
8/22/2016	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all pertinent details including dates.	depths, volumes, etc.
I .	nc. respectfully requests the		Approved by the
	well be extended for one ye	ear.	Utabusiv 23 on 2 of 6 Oil, Gas and Mining
			Date:
			By: Daggill
NAME (PLEASE PRINT)	PHONE NUME		
Kristen Sheehan	303 262-9931	Assistant Regulatory	
SIGNATURE N/A		<b>DATE</b> 8/22/2016	

Sundry Number: 73855 API Well Number: 43047513230000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047513230000

**API:** 43047513230000 **Well Name:** CWU 1496-25D

Location: 1957 FNL 2031 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?     Yes      No
• Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well?  Yes No
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
• Has the approved source of water for drilling changed?   Yes  No
• Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?   Yes  No
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Kristen Sheehan Date: 8/22/2016

ignature. Kristen Sneenan Date. 6/22/2010

Title: Assistant Regulatory Representing: EOG RESOURCES, INC.